



CRITICAL SITE & INFRASTRUCTURE SURVEILLANCE

Flexnet - Wireless mesh networked Unattended Ground Sensor (UGS) platform

/ CONTEXT

Critical infrastructure requires installation of security applications inside and outside the facility perimeter. The Flexnet networked sensor platform offers a flexible and quickly deployable 24/7 protection solution using a combination of intelligent, battery operated and externally powered sensors and cameras. The system provides early detection, classification and identification of illegal intrusions. Due to the wireless, battery operated concept a system can be quickly deployed without the need of existing infrastructure (power, communication, fiber, etc.).

/ SURVEILLANCE MATERIAL



Passive Infrared sensors
detect direction of travel
Lens options: 15M, 40M, 80M



Scout Cameras
Intelligent remote cameras triggered
by sensors. A variety of thermal and
daylight camera lenses are available.



Pan tilt zoom camera.
Mast mounted and triggered
by sensors.



Radar, sea and land
detection and tracking. A
variety of detection angles
and ranges are available.



UMRA Mini
Seismic/Acoustic detection
and classification of People,
Vehicles, IEDs emplacement &
Airborne/Helicopters

/ SOLUTION



Flexnet is quickly deployed for autonomous temporary or fixed surveillance without the need of existing infrastructure. The system detects, classifies and identifies any movement around the facility using a combination of wireless battery operated sensors including PIR, Seismic/Acoustic and Camera sensors. Radars and mast mounted PTZ-cameras complement the wireless sensors and detect and track intrusions in Line of Sight areas, covering both land and sea side. The system is operated and controlled through UMRawin - Flexnet's user friendly/intuitive C2 software - and/or can be integrated with existing control systems using the Flexnet API module. Exensor offers a turnkey solution including project management, installation, commissioning and in-life support of installed systems.

/ KEY BENEFITS

- ✓ Autonomous, no need for infrastructure
- ✓ Fixed 24/7 or temporary protection
- ✓ Scalable: adapted to both small and large critical site
- ✓ Integration of third party systems
- ✓ Flexible customer configuration

/ CONCLUSION

Flexnet is a wireless and battery operated surveillance system offering increased protection against illegal intrusions inside and outside the perimeter of critical sites. The system can be easily deployed without the need of existing infrastructure and operates through an intuitive Operator control software or alternatively integrates with existing control systems already in place. Exensor is a turnkey partner offering complete project management, installation, commissioning and servicing of installed systems.

For other Flexnet use cases or details visit. exensor.com